launched the 300 kg. TECSAR satellite, from Satish Dhawan Space Centre, Sriharikota. The launch of PSLV-C 10 was executed under a commercial contract signed on 14 August, 2005 between Israel Aerospace Industries (IAI) and ANTRIX Corporation.

2. TECSAR is a Synthetic Aperture Radar satellite with the capability to carry out all weather imaging. Satellite with similar resolution are in commercial use world-wide. India was not involved in the making of the satellite.

3. Contractual terms for launch services follow a standard format. This is common to all international service providers. India obtained commercial rights for the launch of the Israeli satellite on the basis of its technological capability as well as the lower costs of an Indian launch.

4. Earlier, in October 2002, the Indian Space Research Organisation and the Israeli Space Agency signed an umbrella Agreement for Civilian Cooperation in Space Matters. This was to enable both parties to (i) identify areas of mutual interest for cooperation in space research, (ii) secure support for applications in fields such as satellite instrument observation and measurement, (iii) develop opportunities for space related research using ground facilities; and (iv) arrange for exchange of scientists.

5. ANTRIX Corporation is the marketing arm of ISRO providing commercial marketing services for ISRO's products in three areas, *viz.* (i) worldwide marketing of data from Indian Remote Sensing satellites, (ii) marketing of transponder capacity of INSAT for television and telecommunication services and (iii) providing launch services using launch vehicles such as PSLV and GSLV for foreign satellites.

6. Serveral small/medium weight class of satellites have been launched by ANTRIX Corporation on commercial terms for countries such as Germany, Belgium, Korea, Indonesia, Argentina and Italy. So far, eight commercial satellites belonging to international customers have been successfully launched using Polar Satellite Launch Vehicle (PSLV). During 2007, LAPAN-TUBSAT a micro satellite belonging to Indonesia, NANO-PEHUENSAT belonging to Argentina and a primary satellite AGILE belonging to Italian Space Agency were successfully launched.

7. India has also been sharing data from its Remote Sensing Satellites with several Global users — all of whom have sought such assistance. CARTOSAT-1 and RESOURCERSAT-1 satellites have been employed extensively for such missions. All such launches have been contracted as commercial launches.

## WRITTEN ANSWERS TO UNSTARRED QUESTIONS

**Indoor stadium in Uttarakhand**

**199. SHRI HARISH RAWAT:** Will the Minister of **YOUTH AFFAIRS AND SPORTS** be pleased to state:

(a) the details of proposals received from Uttarakhand State regarding construction of indoor stadium in the State;

(b) whether the above proposal contains one of the proposals regarding indoor stadium to be constructed in college situated in Ranikhet; and

(c) if so, by when this proposal is likely to be approved?

**THE MINISTER OF YOUTH AFFAIRS AND SPORTS (SHRI MANI SHANKARAIYER):** (a) to (c) Till 31.3.2005, the Ministry was supplementing the efforts of State Governments for creating sports facilities in various places including Universities/Colleges. But with effect from 1.4.2005, the Sports Infrastructure Schemes have been transferred to the State sector. During this period, this Ministry has not sanctioned any project of Uttarakhand State **for** the construction of an indoor stadium in Ranikhet.

**Warning bell on coal shortage**

200. SHRI JESUDASU SEELAM: Will the PRIME MINISTER be pleased to state:

(a) whether Coal Ministry has rung a warning bell after number of coal based power projects face acute shortage of black diamond and sought Power Ministry's help to ensure import of 20 million MT of coal in consultation with Railways, Shipping and Surface Transport and agencies involved;

(b) whether Coal Ministry communicated to the Power Ministry that large number of plants have been facing depletion in their stock at faster pace; and

(c) the steps Government proposes to take to meet the coal shortage and to what extent Government's efforts to obtain the coal in improving the power projects?

THE MINISTER OF STATE IN THE MINISTRY OF COAL (DR. DASARI NARAYAN RAO): (a) to (c) No, Sir. There is no acute shortage of coal for power utilities in Inida. As against the Annual Action Plan (AAP) target of supply of 249.97 million tonnes of coal to power utilities by Coal India Limited (CIL) and Singareni Collieries Company Limited (SCCL) during April, 2007 to January, 2008 the actual supply during this period was 255.71 million tonnes (Provisional) showing materialization of about .102%. However, due to lesser materialization as against quarterly planned movement of coal on account of loading/ unloading and movement constraints, short-term production constraints in the linked source etc., there has been depletion of stocks at power plants. In anticipation of this, it was decided by the Government that Ministry of Power would draw up a plan to import 20 million tonnes of coal by power utilities in 2007-08 to improve availability of coal and build up coal stocks at power house end. Moreover, due to various factors like increase in Plant Load Factor (PLF) and increase in specific coal consumption, there has been increase in consumption of coal by power plants. Further, keeping in view the expected power generation target and projected coal production and also with a view to build up coal stocks at the power plants end, Ministry of Power has been advised to retain the current year's target of 20 million tonnes for import during 2008-09 also by power utilities.

**Pilling up of coal with CIL**

† 201. DR. GYAN PRAKASH PILANIA:
SHRI LALIT KISHORE CHATURVEDI:

Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that huge quantity of coal is pilling up with the ancillary units of Coal India Ltd. (CIL) due to less consumption of coal than its extraction;

**(b) w**hether it is a fact that the supply of coal to the National Aluminium Company (NALCO), Orissa from Mahanadi coal area has reduced from 15,000 tonnes per day to 9000

•es;

^inal notice of the question was received in Hindi.